YUR'YEV, I. M.

USSR/Physics - Nozzle design                                    FD-1440

Card 1/1      :  Pub. 85 - 9/15

Author        :  Yur'yev, I. M. (Moscow)

Title         :  The designing of jet nozzles

Periodical    :  Prikl. mat. i mekh. 19, No 1, 103-105, Jan-Feb 1955

Abstract      :  The author gives the particular solutions to the approximate equations
                 of planar and axisymmetric flow of gas, which solutions can be utilized
                 to calculate the circumsonic parts of jets. He notes that the usual
                 solution (e.g. of T. Meyer, 1908) for the pulseless Laval nozzle has
                 the defect that the series representation in x,y possesses an unknown
                 radius of convergence.

Institution   :

Submitted     :  August 14, 1954

YUR'YEV, I.M.

FD-2407

USSR/Mechanics - Hydromechanics

Card 1/1        Pub 85-14/9

Author    :  Yur'yev, I. M.

Title     :  On the linearized theory of the flow of a supersonic stream of gas
             around a body of revolution

Periodical :  Prikl. Mat. i Mekh., 19, 363-367, May-June 1955

Abstract   :  The author presents an approximate solution of the linearized equation
              of the axisymmetrical supersonic flow of a gas. He bases his method
              on the fact that the solution can be expressed in finite form. He
              states that this method of solution is applicable for the calculation
              of bodies of revolution with channels and for parts of bodies of revo-
              lution on segments of a contour not extending to the axis of symmetry.
              Results are tabulated and graphed.

Institution:  --

Submitted  :  August 23, 1954

Vor'yev (I.D)

06/15/3            533. 011.5
Concerning the Second Order Solution      Prikl.Mat.Mekh.
of the Problems of an Axial-              20(5),606-612
Symmetrical Gas Flow                      1956
I.N. Vor'yev                              U.S.S.R.

New approach is suggested to the second order theory which
might be useful in solving certain non-linear problems.
A simplified method of calculating bodies of revolution,
or sections of bodies of revolution, situated on the parts
of the contour lying outside the axis of symmetry, in a
compressible flow, is given.   Incl...

*YUR'YEV, I. M.*

40-21-2-22/22

**AUTHOR:** Yur'yev, I.M. (Moscow)

**TITLE:** On Spatial Supersonic Flows of a Gas, Which in the Domain of the Velocity Hodograph are Represented by a Surface (O pro- stranstvennykh sverkhzvukovykh techeniyakh gaza, izobrazhaye- mykh v oblasti godografa skorosti poverkhnost'yu)

**PERIODICAL:** Prikladnaya Matematika i Mekhanika, 1957, Vol 21, Nr 2, pp 303-304 (USSR)

**ABSTRACT:** Spatial supersonic flows of the type mentioned in the title include besides conic flows treated by Busemann [Ref 1] also several other flows which are obtained with the aid of the Legendre's function $\chi = ux + vy + wz - \varphi$ (treated by Nikol'skiy "On a class of adiabatic gas flows which in the space....., [Ref 2]). The author gives a linearized solution of the equations of Nikol'skiy-Busemann. There are 4 refe- rences, 1 of which is Soviet, 1 French, and 2 are German.

**SUBMITTED:** August 16, 1956

**AVAILABLE:** Library of Congress

1. Gas--Supersonic flow--Theory

Card 1/1

USCOMM-DC-55,127

YUR'YEV, I.M. (Moskva)

Calculating flat nozzles.  Prikl.mat. i mekh.  22 no.6:839-840
N-D '58.                                            (MIRA 11:12)

(Nozzles)

Yuriyev, I. M.

16(1),1D(2)                                                    507/2699

PLANS I BOOK EXPLOITATION

Akademiya Nauk SSSR. Institut Mekhaniki

Inzhenernyy sbornik, t. 23 (Engineering Symposium, Vol. 23) Moscow, Izd-vo
AN SSSR, 1957. 2nd p. Errata slip inserted. 2,200 copies printed.

Ed.: A.A. Il'yushin; Ed. of Publishing House: N.A. Ivanova; Tech. Ed.:
Yu. V. Rylina.

PURPOSE: This book is intended for applied mathematicians, physicists and
engineers.

COVERAGE: The book is a collection of articles published by the Department of
Engineering Sciences of the Institut mekhaniki (Institute of Mechanics) of
the Academy of Sciences, USSR. The articles discuss various aspects of the
mechanics of materials, and of fluid mechanics, such as stress and bending of
beams, shells, plates and rods, supersonic gas-flows, vibrations, etc.
Problems are treated in a highly theoretical, i.e., mathematical, manner.
References are given at the end of each article.

Grigor'yev, A.S. On Plates of Equal Resistance to Bending

Sherman, D.I. Bending of an Infinite Plate Which Is Weakened
by an Elliptical Hole, and the Edge of Which Is Reinforced by a Thin Ring

Alblas, J.B. Design of a Circular Elastic Membrane Under Uniform
Lateral Load

Ogibalov, P.M. Lateral Vibrations of Rods and Plates With Reactive
Tensile Forces

Stepanov, R.D. On the Flutter of Cylindrical Shells Moving in a Gas
Linder, E.L. Stability of a Partial Shell in a Supersonic Flow

Kozlov, I.G. Bending of a Partially Loaded Rectangular Plate With
Two Supported and Two Free Edges

Karakhin, A.N. A Method of Solving Systems of Five-Term Algebraic
Equations Pertaining to Certain Problems of Engineering Mechanics

Indlin, L.L. On the Stresses of a Weighable Anisotropic Semiplane
Weakened by Two Circular Holes

Tarabanov, N.G. Stressed State of a Multiply-Connected Semiplane Caused
by the Pressing in of Pins

Galimov, K.Z. Certain Problems of the Stability of Thin
Cylindrical Shells

Rabok, F.L. and M.I. Leont'yev. Design of a Spherical Shell Supported
by a Foundation

Trushanskiy, B.N. On the Stability of a Rectilinear Part of the
Equilibrium of an Elastic Compressed Twisted Rod

Loitsin, V.A. A One-Dimensional Problem of the Temperature Stresses
in a Plastic-Elastic Medium

Barenov, A.Ye. A Study of Heat-Exchange in Supersonic Air Flow

Indlin, I.M. Approximate Solution of the Fundamental Boundary Value
Problem of a Supersonic Gas Flow

Kotsyrev, V.A. On the Displacement of a Water-Oil Contact
in Formations With Bottom Water

SOV/179-59-4-20/40

10(7)
AUTHOR:        Yur'yev, I. M. (Moscow)

TITLE:         On the Calculation of Nozzles

PERIODICAL:    Izvestiya Akademii nauk SSSR. Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye, 1959, Nr 4, pp 140-141 (USSR)

ABSTRACT:      An accurate part solution of a nonlinear equation is put forward. This solution is part of the accurate equation for the three-dimensional gas motion over a large range of $M$ ($0 < M < 1.7$). The result is used for the calculation of nozzles. There are 1 figure and 1 Soviet reference.

SUBMITTED:     August 5, 1958

Card 1/1

YUR'YEV, I.M. (Moskva)

Theory of plane gas flows. Prikl. mat. i mekh. 23  no.1:201-208
(MIRA 12:2)
Ja-F '59.
(Aerodynamics, Transonic)

YUR'YEV, I.M. (Moskva)

Approximate solution of basic boundary problems of plane supersonic gas flow. Inzh. sbor. 25:188-196 '59.    (MIRA 13:2)
(Aerodynamics, Supersonic)

YUR'YEV, I. M.

SOV/4000

PHASE I BOOK EXPLOITATION

SOV/12-K-27

Akademiya nauk SSSR.  Institut mekhaniki

Inzhenernyy sbornik, t. 27 (Engineering Collection, Vol. 27) Moscow, Izd-vo AN SSSR, 1960.  210 p.  2,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR.  Otdeleniye tekhnicheskikh nauk.

Resp. Ed.: A. A. Il'yushin; Ed.: V. M. Akhundov; Ed. of Publishing House: V.M. Akhundov; Tech. Ed.: A.P. Guseva.

PURPOSE:  This book is intended for engineers, applied physicists, and applied mathematicians.

COVERAGE:  The book consists of 24 articles on such problems as wing theory, supersonic flow, theory of shells, stability, plasticity and elasticity, the bending of thin plates and shells, and various aspects of applied mathematics.  No personalities are mentioned.  References accompany most of the articles.

Card 1/6

Engineering Collection                                          SOV/4000

TABLE OF CONTENTS:

Card 2/6

77999
SOV/40-24-1-27/28

16.7600

AUTHOR: Yur'yev, I. M. (Moscow)

TITLE: On the Solution of Equations of Magneto-Gasdynamics

PERIODICAL: Prikladnaya matematika i mekhanika, 1960, Vol 24, Nr 1, pp 168-170 (USSR)

ABSTRACT: The equations for the stationary plane motion of an infinitely conducting gas in a magnetic field parallel to the plane of flow:

$$\mathrm{div}\,H=0,\ \mathrm{curl}\,(W\times H)=0,\ \mathrm{div}\,\rho W=0,\ (W\cdot\nabla)W=-\frac{\mathrm{grad}\,p}{\rho}-\frac{1}{4\pi\rho}\,H\times\mathrm{curl}\,H \quad (1)$$

are transformed into a system of two first order linear partial differential equations. The result is analyzed when there are no strong discontinuities. Here, H is the magnetic field intensity and $p$, $\rho$, and W are respectively the pressure, density, and flow velocity. It is first shown that the Bernouilli equation

$$w\,dw+\frac{dp}{\rho}=0 \qquad (3)$$

Card 1/3

On the Solution of Equations of
Magneto-Gasdynamics

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SOV/40-24-1-27/28

holds along a streamline. By assuming that this holds
in any direction and that $H = k\rho W$ (k is a constant
throughout the entire region of flow), the author
obtains the equations

$$\frac{\partial \varphi}{\partial \theta} = \sqrt{K}\frac{\partial \psi}{\partial s}, \qquad \frac{\partial \varphi}{\partial s} = -\sqrt{K}\frac{\partial \psi}{\partial \theta} \qquad (13)$$

Here, $\vartheta$ is the angle of inclination of the velocity
vector to the x-axis, $\psi(x,y)$ is a stream function
defined by $\partial \psi/\partial x = -v\rho(w)$, $\partial \psi/\partial y = u\rho(w)$, $\phi$
is defined by $\partial \phi/\partial x = w(1 - k^2\rho/4\pi)\cos\vartheta$,
$\partial \phi/\partial y = w(1 - k^2\rho/4\pi)\sin\vartheta$ and

$$\sqrt{K} = \frac{1}{\rho}\left(\frac{(1-M^2)(1-m\rho)^3}{1-m\rho(1-M^2)}\right)^{1/4}, \quad ds = \pm\left(\frac{(1-M^2)[1-m\rho(1-M^2)]}{1-m\rho}\right)^{1/4}\frac{dw}{w}\ (m = k^2/4\pi)$$

Card 2/3            where M is the Mach number.  The parameter values are

On the Solution of Equations of
Magneto-Gasdynamics

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then characterized as to when the system is elliptic
or hyperbolic in the case of a polytropic gas. For
$k = 0$ the equations reduce to those of ordinary
gasdynamics. The author notes that the same
approximative and exact methods used to solve them
can be applied in the magneto-gasdynamics case. He
also notes that the equations obtained from (a) from
the transformation

$$\Phi = x\frac{\partial \varphi}{\partial x} + y\frac{\partial \varphi}{\partial y} - \varphi, \qquad \Psi = x\frac{\partial \psi}{\partial x} + y\frac{\partial \psi}{\partial y} - \psi \qquad (20)$$

are more convenient in many problems. There are 7
Soviet references.

SUBMITTED:     October 17, 1959

Card 3/3

YUR'YEV, I.M. (Moskva)

Some solutions of the equations of plane gas flow in a parallel magnetic field. Inzh.zhur. 1 no.4:133-137 '61.    (MIRA 15:4)

1. Institut mekhaniki AN SSSR.
          (Magnetohydrodynamics)

P/033/62/014/003/006/011
D237/D308

10.1200

AUTHOR: Yur'yev, I. M. (Moscow)

TITLE: Theory of plane gas flow

PERIODICAL: Archiwum Mechaniki Stosowanej, v. 14, no. 3-4, 1962, 651-662

TEXT: This paper supplements the author's earlier work. The Legendre transformation is applied to Chaplygin equations in the canonical form and the resulting equations are again reduced to the canonical form. Using Liouville's formula for a general solution and an inverse transformation, one obtains canonical equations containing two more arbitrary constants. This procedure can be repeated any number of times. Assuming the initial system to be simple, one can attempt to approximate $\sqrt{K_n}$ for adiabatic gas flow by suitable choice of $2(n-1)$ constants. The method preserves some important properties of the solutions of the initial system of equations, e.g. undisturbed flow at infinity and, with some restrictions, the condition for the continuation of subsonic flow into

Card 1/2

P/033/62/014/003/006/011
D251/D308

Theory of plane gas flow

the supersonic region. The method is applied to the flow of gas
with sonic transition, over the range of relative velocities 0.1 <
$\lambda$ < 1.2. The author mentions S. A. Khristianovich and S. V. Fal'-
kovich. There is 1 figure.

ASSOCIATION: Institut mekhaniki Akademii nauk SSSR (Institute of
Mechanics of the Academy of Sciences, USSR)

Card 2/2

ACCESSION NR: AP4026949                                    S/0258/64/004/001/0010/0016

AUTHOR: Yur'yev, I. M. (Moscow)

TITLE: On transonic theory of gas flow

SOURCE: Inzhenerny*y zhurnal, v. 4, no. 1, 1964, 10-16

TOPIC TAGS: transonic theory, gas flow, nozzle, Tricomi equation, power series

ABSTRACT: By means of new independant variables used in Chaply*gin equations, simple partial nozzle-flow solutions can be found with curvilinear transition lines satisfactorily approximating the Chaply*gin coefficients at high transonic velocity change intervals. This method leads to the solution of a sharp wall curvature nozzle without a limit line in the supersonic part of the flow. For the Tricomi equation one can obtain simple solutions using an arbitrary number of constants as a general statement of the nozzle-flow problem. The solution of the exact equations requires the proof of a power series convergence all of whose coefficients depend on a single arbitrary function characterizing the velocity distribution on the axis of the nozzle. Orig. art. has: 30 equations and 5 figures.

Card 1/2

ACCESSION NR: AP4026949

ASSOCIATION: Institut mekhaniki AN SSSR (Institute of Mechanics AN SSSR)

SUBMITTED: 08Jul63          DATE ACQ: 15Apr64                ENCL: 00

SUB CODE: AI              NO REF SOV: 006                  OTHER: 000

Card 2/2

YUR'EV, K.

Long term credit for vegetable growing on collective farms. Moskva, Gos-finizdat, 1954-30 p. (Vpomoshch' kolkhoznoum aktivu)  (55-44294)

HG2051.R9 I 8

YUR'YEV, K. (UA1BO) (Leningrad)

Work on QRP in the 14 mc. band. Radio no.5:22 My '62.

(MIRA 15:5)

(Amateur radio stations) (Radio operators)

YUR'YEV, K.

Exhibition of Soviet instruments in Cairo. Vnesh. torg. 43 no.12:37
'63.                                                              (MIRA 17:2)

YUR'YEV,K.B.

Brief survey of dinosaur finds within the U.S.S.R.   Uch.zap.Len.un.
no.181:183-197 '55.                                        (MLRA 8:11)
                    (Dinosauria)

YUR'YEV, K.B.

Survey of tendon and ligament ossifications in living and fossil
vertebrates.  Uch.zap. Len. un. no.181:198-215 '55.  (MIRA 8:11)
(Vertebrates--Anatomy) (Sesamoid bone) (Bone)

PAVLOVSKIY, Ye.P., akad., glav. red.; STRELKOV, A.A., red. izd.; YUR'YEV, K.B.,
red. izd.; ARONS, R.A., tekhn.red.

[Zoologists of the Soviet Union; a reference book] Zoologi Sovetskogo
Soiuza; spravochnik. Moskva, Izd-vo Akad. nauk SSSR, 1961. 292 p.
(MIRA 14:7)

1. Akademiya nauk SSSR. Zoologicheskiy institut. 2. Direktor Zoologi-
cheskogo instituta AN SSSR (for Pavlovskiy)
(Zoologists, Russian)

YUR'YEV, K.B.

Andreas Vesalius as a comparative anatomist.    Trudy Inst.
ist. est. i tekh. 41:376-390 '61.                (MIRA 15:2)

1. Zoologicheskiy institut AN SSSR.
                        (Vesalius, Andreas, 1514-1564)

YUR'YEV, K.B.

"C.F.Wolff and his teaching on the development of organisms" by
A.E.Gaisinovich.  Reviewed by K.B.IUr'ev.  Zool.zhur. 41 no.8:1272-
1274 Ag '62.
(MIRA 15:9)
(Wolff, Caspar Friedrich, 1733-1794)
(Gaisinovich, A.E.)

YU... .Y, K. [ ]

Bearings of the Sun and Stars

Engineer of navigation school in Rostov-NA-Donu, Rostouskaya o., RSFSR compiled
"Tables of the Trve Bearings of the Sun and Stars." N:Morskoy Flot No. 82
14 Oct 1950 Moskva

USAF "Treasure Island", on file in Library of Congress, Air Information Division,
Report No. 106131. Unclassified.

YUR'YEV, K. S.

PHASE I       TREASURE ISLAND BIBLIOGRAPHICAL REPORT       AID 637 - I

BOOK
  Author: YUR'YEV, K. S.          Call No.: AF485328
  Full Title: TABLES OF TRUE BEARINGS OF SUN AND STARS FOR THE LATITUDES
         BETWEEN 50°N AND 60°N
  Transliterated Title: Tablitsy istinnykh pelengov solntsa i zvëzd dlya
         shirot ot 50°N do 60°N

PUBLISHING DATA
  Originating Agency: None
  Publishing House: "Morskoy Transport" (Marine Shipping Publishing
         House)
  Date: 1951       No. pp.: 41       No. of copies: 1,500
  Editorial Staff: None

PURPOSE: The tables are computed for the determination of the correction
     of the ship's compass by solar and stellar observations.
TEXT DATA
  Coverage: The tables include: 1. an introduction explaining the tables
     and the symbols used, the determination of the compass correction by
     the sun with examples, tables of true star bearings with an example,
     two examples of the determination of the correction of the compass by
     the stars, a table for conversion of degrees (angular) into time;
     2. tables of true sun bearings for the latitudes between 50°N and

1/2

Tablitsy istinnykh pelengov solntsa i zvezd dlya
shirot ot 50°N do 60°N

AID 637 - I

50°N for every day of the month for every 10 minutes of local time,
with corrections for epochs of 1950 to 1968; 3. table for converting
mean local time into sidereal time; 4. table of true stellar bear-
ings of 15 stars for latitudes from 50°N to 60°N similar to the solar
tables; 5. table of the proper time of the night for stellar observa-
tions. Mention is made that similar tables for latitudes 40°N - 50°N
were published in 1949.
No. of References: None
Facilities: None

2/2

IUR'YEV, K.S.; ANAN'IN, V.I., redaktor; BOBROVA, Ye.N., tekhnicheskiy
redaktor.

[Tables of true bearings of the sun and stars for northern and
southern latitudes from 30 to 40 degrees] Tablitsy istinnykh pelen-
gov solntsa i zvezd dlia severnykh i iuzhnykh shirot ot 30° do 40°.
Moskva, Izd-vo "Morskoi transport," 1953. 45 p.          (MIRA 7:12)
        (Ephemerides) (Nautical almanacs)

YUR'YEV, K.S.; KOPELEVICH, V.Ya., redaktor; STUDENETSKAYA, V.A., tekhniche-
akiy redaktor.

[Tables of true bearings of the sun and stars for latitudes from
40 to 70 degrees] Tablitsy istinnykh pelengov solntsa i zvezd dlia
shirot 40° - 70°. Moskva, Vodtransizdat, 1953. 142 p. (MLRA 7:12)
(Ephemerides) (Nautical almanacs)

YUR'YEV, K. V.

20674. Yur'yev, K.V. Soyedinitel'nyye detali trubchatykh lesov. Mekhanizatsiya stroit-va, 1949, No. 6, s. 24

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

YUR YEV. K.V

YUR'YEV, K.V.

Studying the movement of sewage by means of tagged atoms.  Vod.i
san.tekh. no.8:33-36 Ag '57.                              (MIRA 10:11)
          (Sewage)     (Radioactive tracers)

YUR!YEV, K.V., inzhener; KODOCHIGOV, P.N., fizik.

Determining soil compactness by gamma ray investigation. Gidr.stroi.25
ne.6:36-41 Jl '56.
(Soil mechanics) (Gamma rays--Industrial applications)
                       (MIRA 9:9)

YUR'YEV, K. V., Cand of Tech Sci -- (diss) "The application of the method of tracer atoms and radioactive radiation for the ~~purification~~ study of the phenomena occuring the deposits of sandy dams or embankments." Moscow, 1957, 14 pp (MoscowEngineering-Construction Institute im V. V. Kuybyshev), 110 copies (KL, 30-57, 111)

AUTHOR:
TITLE:

YUR'YEV,K.V. (Moscow)
Investigation of Filtration in the Ground by the Method of Tracer
Atoms. (Kissledovaniye fil'tratsii v gruntakh metodom mechenykh
atomov, Russian)

PA - 3089

ABSTRACT:

The fundamental difficulty in the investigation of filtration in the
ground by the tracer atom method is due to the adsorption of the
tracer matter by the ground and the exchange of isotopes. In this work
the experiments were conducted on a quartz sand specimen in regard to
simple and complex cobalt ions. The following were used as tracer
cations: simple cation cobalt-60 of the $Co(NO_3)_2$ compound, and the
complex cation $\left[Co(NH_3)_6\right]^{3+}$ of $\left[Co(NH_3)_6\right](NO_3)_3$ compound. As tracer
anion the complex ion $\left[Co(NO_2)_6\right]^{3-}$ of the $(NH_4)_3\left[Co(NO_2)_6\right]$ com-
pound was used. The investigation of the adsorption capacity of the
ground comprised the tracer material distribution between the solution
and the adsorbents by recording the isotherms of adsorption. On the
basis of the experiments the following points were established:
1.) The static and dynamic activity of the sandy ground is diminished
in regard to the simple and complex ions of cobalt with the reduction

Card 1/2

Investigation of Filtration in the Ground by the Method of Tracer
Atoms.     PA - 3089

of the $P_H$ value of the medium,   2.) The employment of solutions of
those compounds which contain in the cation a radioactive cobalt with
$P_H \leqslant 1.5$ excludes adsorption of the tracer material by the sandy
ground. The acid content does not disturb the filtration properties
of the ground and warrants the possibility of being able to carry
out filtration in sandy ground in the laboratory. (1 Table, 4 Illu-
strations and 4 Citations from Slav Publications).

ASSOCIATION:   Section for the Scientific Working Out of Problems of the Regulation
of the Water Supply of the Academy of Science of the U.S.S.R.

PRESENTED BY:
SUBMITTED:
AVAILABLE:    14.8.1955
      Library of Congress

Card 2/2

YUR'YEV, K.V., inzh.

Using radioactive isotopes in hydraulic engineering. Gidr.stroi.
26 no.11:67-72 N '57.
(Hydraulic engineering)  (Radioisotopes)          (MIRA 10:10)

YUR'YEV, L.

Heavy electronics.  Izobr.i rats. no.3:7, 12 '63.

(Electronics)                              (MIRA 16:4)
(Kapitsa, Petr Leonidovich, 1894-)

YUR'YEV, L.

    Club of young astronauts. IUn. nat. no.6:26-27 Je '63.
                                       (MIRA 16:8)

YUR'YEV, L.

Professor of "theological physics."  Nauka i zhizn' 22 no.7:40
Jl '55.
      (Coulson, Charles Alfred)      (MLRA 8:9)

YUR'YEV, L.

"Epiphany" frost. Nauka i zhizn' 23 no.1:63   Ja '56   (MIRA 9:4)
        (Frost)

YUR'YEV, L.

One more defeat for the falsifiers of science. Nauka i zhizn' 23 no.4:
40 Ap '56.          (Spectrum analysis)              (MIRA 9:7)

YUR'YEV, I.

The most powerful accelerator "fired first volleys."  IUn.tekh.
no.6:12-15 Je '57.                                    (MIRA 10:7)
                        (Cyclotron)

YUR'YEV, L., inzh.

Fuel that will not burn. Znan. sila 33 no.3:1-4 Mr '58.
(MIRA 11:4)

(Fuel cells)

YUR'YEV, L., inzh.

Submarine scientific laboratory. NTO no.3:60-61 Mr '59.
(MIRA 12:6)
(Oceanographic research)

YUR'YEV, L., inzh.

    Water can be made fresh. Znan.sila 34 no.2:33-34  F '59.

                                   (MIRA 12:3)

        (Fresh water)

YUR'YEV, L., inzh.

Fuel should not burn. Izobr.i rats. no.1:12-14 Ja '60.
(MIRA 13:4)

(Fuel research)

YUR'YEV, L., inzh.

"Precocious" cast iron. Izbor.i rats. no.4:12-13 Ap '60.
            (Cast iron)                          (MIRA 13:6)

YUR'YEV, L.

Electricity + heat + chemistry. Znan.sila 35 no.4:16-17 Ap '60.
(Petroleum products)    (Technology)    (MIRA 13:8)

YUR'YEV, L., inzh.

Only three examples.    Izobr.i rats. no.9:8-12 S '60.    (MIRA 13:10)
          (Forging)                 (Rolling (Metalwork))

20906

ID6000

AUTHOR:     Yur'yev, L.

TITLE:      Flight - Explosion

S/025/61/000/005/001/005
D241/D302

PERIODICAL: Nauka i zhizn', no. 5, 1961, 17-22

TEXT: The article hinges on research conducted by Professor Gorimir Gorimirovich Chernyy in the field of the aerodynamics of currents with high shock waves. A method of researching and computing the movement of an elongated arrow-shaped body at great supersonic air speeds was devised /Abstractor's note: This not explained/ which is based on differing phenomena: The movement in air of a slender, blunted body and the distribution of shock waves. The method has been found to be in agreement with computations of integral computers and experiments conducted in hypersonic wind tunnels. Professor Chernyy solved a series of important problems regarding the influence of the geometric forms of a body on the resistance to

Card 1/5

20906

S/025/61/000/005/001/005
D241/D302

Flight - Explosion

its movement. He also established a new law of equality for the airflow of a slightly blunted body in a hypersonic current, which has diminished the number of needed costly and complex experiments. The history of flight is briefly traced initially and it is stated that aircraft speeds of up to 2,500 km/hr show poorly alongside the 40,000 km/hr achieved by space rockets. Heat has been found to be the major problem in aeronautics and astronautics. This was first felt when aircraft broke the sonic barrier and further, when rockets at speeds of 6 - 8 km/sec re-entered the atmosphere, heating up to $6,000^\circ C$. This problem was solved by the aerodynamic form of the rocket. However, the re-entry of rockets into the atmosphere takes only one or two minutes and it is an entirely different matter for aircraft designers to realize flight under these conditions from Moscow to Vladivostok which will last at least a half-hour. Even though a law of the airflow of slender pointed bodies in a supersonic current was formulated after 1946, it proved of no avail since there is no such thing as an ideally pointed body.

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D241/D302

## Flight - Explosion

Even if there were, the body would melt and become blunted. Wind
tunnel tests with a thin disc gave remarkable results at that time.
A disc edge of one tenth of a millimeter changed the airflow and
pressure on the disc by tens of centimeters. In this field, current
aviation theory was useless and for each wing profile costly, com-
plex and long experiments were mandatory. Professor Chernyy began
his research by taking a supersonic aircraft and deleting the un-
necessary lift and control surfaces and ending up with a body with
an elongated arrow-shaped form. As in the case of a ship on a
mirror-like surface of a river  -- so it is with an aircraft. At
high speeds, the shock wave presses ever closer to the body of the
aircraft and at speeds of over 2 - 3 km/sec, there exists only a
thin layer of turbulent air between the shock wave and body of the
aircraft. The shock wave precedes the turbulent air which in turn
precedes the aircraft in flight. Thus, it is not the aircraft that
splits the air at high speeds, but the shock wave. This deduction
opened up new vistas in research. Professor Chernyy used the mathe-
matical process of division of zero by zero, or critical transi-

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Flight- Explosion

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D241/D302

tion. He computed the force being exerted on each point of the
blunted leading edge of a body. Using this method, he was able to
decrease the bluntness -- when observing that the mean value of
force remains constant -- and arrive at an ideally pointed body.
However, its effect on the air and the effect of the air on the
profile were increased by the effect of force applied at the lead-
ing edge. This explained the fact that a shock wave moves in the
air, at the apex of which there is applied force. It was possible
to solve this by applying the already developed theory of the move-
ment of air during atomic explosions. Assuming that a supersonic
aircraft is replaced by a series of successive explosions at those
points through which it passes, Professor Chernyy worked out simple
and convenient formulae /Abstractor's note: Formulae not given/.
These formulae are not only applicable in aerodynamics, but also
much better suited for analyzing atomic explosions than hitherto
existing methods. Solution of his formulae require only a slide
rule to compute the force being exerted at a given point of a fly-

Card 4/5

Flight - Explosion

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ing body. In wind tunnel research, the law of equality plays a major role, it stating that if the characteristics are equal for any two processes, then the processes occur similarly. This is Professor Chernyy's discovery - the law of equality for hypersonic flow, which has been shown to be experimentally valid. The author states that this law will play an important role in realizing flight to other planets and trans-terrestial flight that will cover distances to any given point of the globe in a matter of minutes. There are 7 figures.

Card 5/5

YUR'YEV, L.

Watchmakers. Nauka i zhizn' 28 no.7:13-16 Jl '61.   (MIRA 14:8)
(Clockmaking and watchmaking--Machinery)

YUR'YEV, L., inzh.

Development of diffusion welding in a vacuum.  Izobr.i rats.
no.3:8-10 Mr '62.                                          (MIRA 15:2)
                        (Vacuum technology)
                           (Welding)

YUR'YEV, L., inzh.

T.F.Blagushko's elements produce an inexpensive heat. Izobr.i rats. no.4:17-19 Ap '62. (MIRA 15:4)

(Electric heating)

YUR'YEV, L., inzh.

Integrating "screen." Izobr.i rats. no.6:14-15 Je '62. (MIRA 15:6)
(Electronic calculating machines)

YUR'YEV,L.

What awaits man on the moon. Kryl. rod. 15 no.10:21-23  0 '64
(MIRA 18:1)

ACC NR: AN7004560          (N)          SOURCE CODE:  UR/9001/66/000/016/0036/0036

AUTHOR: Yur'yev, L. (Candidate of Technical Sciences)

ORG: none

TITLE: Moon tells about itself

SOURCE: Ekonomicheskaya gazeta, no. 16, 1966, 36

TOPIC TAGS:  lunar radio emission, lunar surface

ABSTRACT:
The article cited below is a semi-popular account of the lunar observations made by V. S. Troitskiy and his group at Gor'kiy. Their work has been submitted for award of the Lenin Prize. It was discovered that the radio waves from the moon were from its interior layers, rather than the surface, and this discovery, after many refinements, has made it possible for the Gor'kiy scientists to gain a quite clear idea of the structure and properties of the upper layers of the moon. Approximately 30,000 such radiophysical lunar observations have been made at Gor'kiy and have shown that the heat conductivity of the lunar material below the surface is 50-100 times less than the heat conductivity of ordinary terrestrial rocks. No similar rocks are known on earth. It has been concluded by the Soviet specialists that this is some sort of porous slag. This appeared to be confirmed by "Luna-9", contrary to the conclusions drawn by American scientists on the basis of "Ranger" low-altitude, pre-impact photographs that there is a dust layer. The lunar surface layer has a density only half that of water, but at a depth of 3-4 cm it approaches the density of water. Then to a depth of one meter there are

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ACC NR: AN7004560

rocks resembling tuff or volcanic ash. With increasing depth in the moon the temperature increases 50 times more rapidly than on earth. With each meter of depth on the moon the temperature increases by $1\frac{1}{2}$ degrees. Temperature increases almost proportional to depth, indicating approximately uniform properties of matter to a considerable depth. It is postulated that this increase of temperature with depth is due to radioactivity. The heat flux from the lunar interior to its surface is comparable to that for the earth. This would require that there be four times as much radioactive matter on the moon than on the earth. Actually, it may be greater by a factor of 5-6. It has been concluded, however, that the temperature of the lunar interior does not exceed 1,500 degrees, the melting point of silicates. The layer in which the radioactive matter is concentrated should be far thinner than on earth — 15-20 km. At a depth of 50 km the temperature of the lunar interior should be about 1,000 degrees. /JPRS: 36,553/

SUB CODE: 03 / SUBM DATE: none

Card 2/2

RYKOV, Ye.A., inzh.; YUR'YEV, L.B., inzh.

Constructing experimental rectangular culverts. Transp. stroi.
15 no.1:15-17 Ja '65.
(MIRA 18:3)

GOROSHNIKOV, B.I.; DZHUN', V.S.; KUKOLEV, G.V.; MARCHENKO, Ye.Ya.;
SKOMAROVSKAYA, L.A.: CHASHKA, A.I.; SHCHUKAREVA, L.A.;
YURK, Yu.`u.; doktor geol.-miner. nauk, prof.; YUR'YEV,
L.D.; SERDYUK, O.P., red.

[Granitoid rocks in the Azov Sea region and prospects for
using them in the ceramic and glass industries] Granitoid-
nye porody Priazov'ia i perspektivy ikh ispol'zovaniia v
keramichenkom i stekol'nom proizvodstvakh. Pod red. Iu.Iu.
Iurka.  Kiev, Naukova dumka, 1964.  142 p.   (MIRA 17:9)

1. Akademiya nauk URSR.  Kiev. Instytut mineral'nykh resur-
siv.

DZHUN', V.S.; YUR'YEV, L.D [IUr'iev, L.D.]

Tourmaline from pegmatites of the western part of the Sea of Azov region. Mat.z min.Ukr. no.2:116-121 '61.     (MIRA 15:8)

(Azov Sea region—Tourmaline) (Azov Sea region—Pegmatites)

YUR'YEV, L.D. [IUr'iev, L.D.]

Contact reaction phenomena in Yekaterinovka granites of the
Azov Sea region. Dop. AN URSR no.8:1102-1107 '63. (MIRA 16:10)

1. Institut mineral'nykh resursov AN UkrSSR. Predstavleno
akademikom AN UkrSSR N.P. Semenenko [Semenenko, M.P.].
(Azov Sea region—Granite)

GOROSHNIKOV, B. I. & YUR'YEV, L.D.

Cordierite-polyamphibole and anthophyllite-cordierite rocks in the
northern part of the Krivoy Rog Basin. Dokl. AN SSSR 163 no.3:720-
723   Jl '65.                                    (MIRA 18:7)

1. Institut mineral'nykh resursov, Simferopol'. Submitted February 22,
1965.

YUR'YEV, M., polkovnik zapasa

Like one's own home. Voen. znan. 41 no.6:6-7  Je '65.   (MIRA 18:5)

YUR'YEV, M.

Surface ensilage of feeds. Sel'. stroi. 13 no. 9:11-12 S '58.

(Ensilage)                                              (MIRA 11:10)

YUR'YEV, M.; ZYUZIN, F.

Metal for our homeland. Sov.profsoiuzy 6 no.18:20-22 D '58.
(MIRA 12:2)
1. Direktor Gor'kovskogo metallurgicheskogo zavoda (for Yur'yev).
2. Predsedatel' zavkoma Gor'kovskogo metallurgicheskogo zavoda
(for Zyuzin).

(Gorkiy--Metalworkers)

YUR'YEV, M., polkovnik; VORONCHIKHIN, D.A., redaktor, gvardii polkovnik;
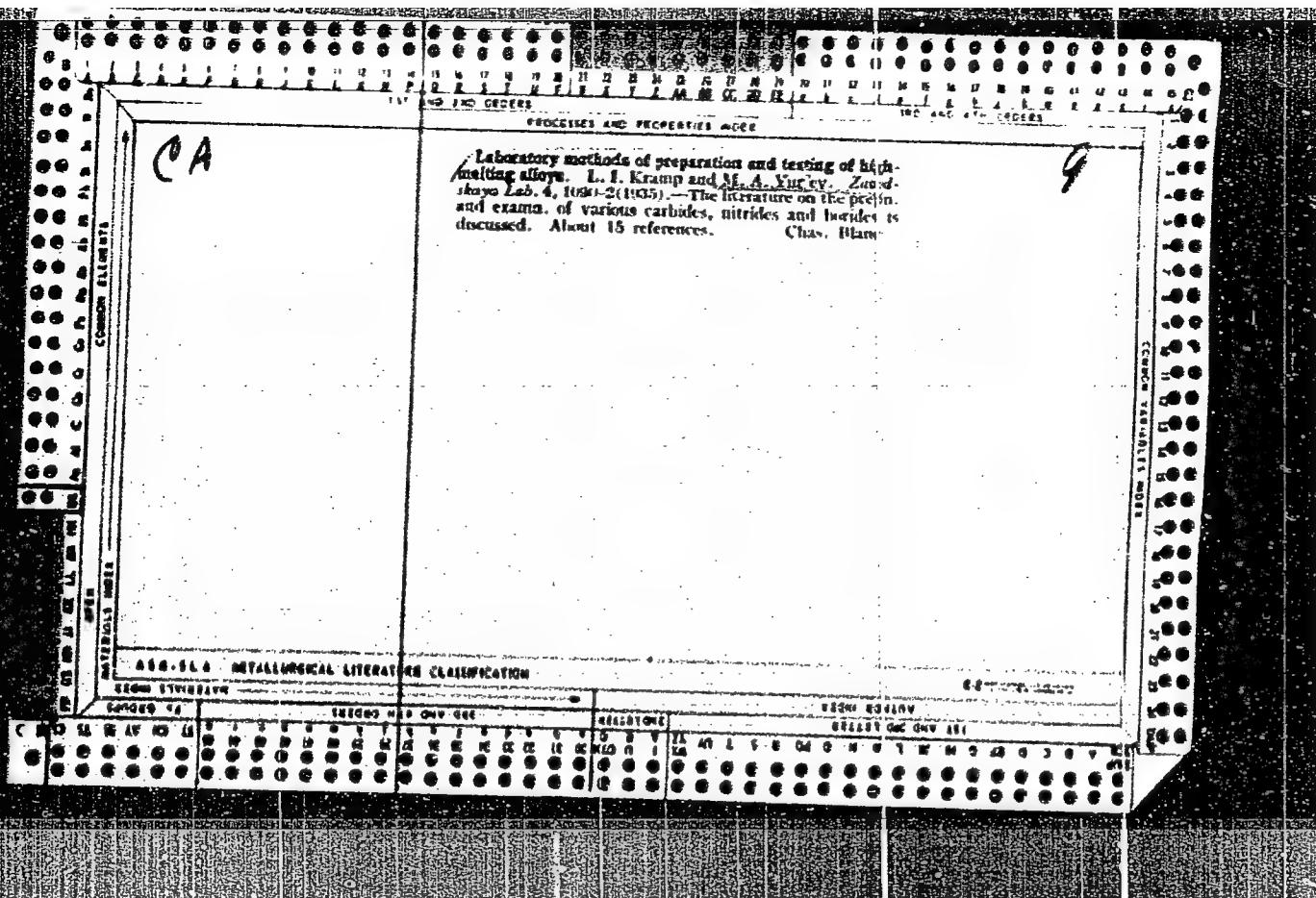KALACHEV, S.G., tekhnicheskiy redaktor

[Military secrets should be closely guarded] Strogo khranit'
voennuiu tainy. Perer. i dop.izd. Moskva, Voennoe izd-vo Mini-
sterstva oborony Soiuza SSR, 1953. 71 p.     (MLRA 8:10)
      (Official secrets)

YUR'YEV, M.

Liberation struggle of Eastern peoples and international proletarian solidarity.   Sov.profsoiuzy 5 no.6:83-86 Je '57.

(World politics)                                    (MLRA 10:7

YUR'YEV, M.

Power of truth ("To live in peace and friendship." Reviewed
by M. IUr'ev). Kest.ugl. 9 no.1:18 Ja '60.     (MIRA 13:8)
    (Khrushchev, Nikita Serbeevich, 1894-)
    (Russia--Foreign relations--United States)
    (United States--Foreign relations--Russia)

C A

9

PROCESSES AND PROPERTIES AREA

Laboratory methods of preparation and testing of high-melting alloys. L. I. Kramp and M. A. Yur'ev. Zavod-skaya Lab. 4, 1081-2(1935).—The literature on the prepn. and examn. of various carbides, nitrides and borides is discussed. About 15 references. Chas. Blanc

A54.SL4 METALLURGICAL LITERATURE CLASSIFICATION

The removal of bubbles with the help of gas-free glass. V. N. Vernier and M. A. Yur'ev. Optiko-mekh. Prom. 6, No. 8, 3-5 (Aug., 1936); Chem. Zentr. 1937, I, 2857.— In order to remove bubbles from glasses whose clarification presents difficulties, expts. were carried out in which glass from which the gas had been removed in a vacuum was added to such glasses in the melt. It was thought

that the gas bubbles represent an insol. excess of gas which would redissolve in the gas-free glass. The crushed glass was degassed by fusion in an elec. furnace at 10-30 mm. Hg. The gas foamed very strongly; special construction prevented foaming over from the crucible. Some samples of glass were degassed several times until the evolution of gas was only very slight. Addn. of the degassed glass in amts. up to 15% to the bubble-contg. glass was entirely useless; no reduction in the bubble could be observed.

M. G. Moore

Determination of the radiation power of boron carbide.
L. I. Kranp and M. A. Yur'ev. *J. Tech. Phys.* (U. S.
S. R.) 8, 1050-56(1938).—The spectral emissive power
of B₄C for the wave length 0.65 μ is detd. in the temp.
range from 1150° to 2150°K. The emissive power, a
function of the temp., decreases from 0.78 at 1150° to
0.56 at 2155°K. The observations were made by means
of an optical pyrometer. A high-frequency vacuum in-
duction furnace was used for heating the specimens.
John Livak

CA

PROCESSES AND PROPERTIES INDEX

2

The refractive indices of sodium chloride and potassium chloride in the infrared region. M. A. Yurev and A. E. Fomin. *J. Phys.* (U. S. S. R.) 4, 801-9(1941).—From the data of Paschen (C. A. 6, 828) and the temp. coeffs. of Liebreich (C. A. 6, 871) the exact refractive indexes were calcd. for KCl and NaCl at 20° for wave lengths from 0.589 to 17.08 μ. The values for Na agree with those found by Schaefer and Matossi and by Cross.

F. H. Rathmann

A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

Monochromator for infrared rays. M. A. Yur'ev and
I. A. Tel'tevskii. Bull. acad. sci. U.R.S.S., Sér. phys.
11, 459-3(1917).—The device is constructed according to
the scheme given by Czerny (Z. Physik 61, 792(1930)) and
Wadsworth (Phil. Mag. 38, 337(1894)). The prisms
are made out of NaCl or KCl with a dispersion range of
70°, a height of 60 mm., and a length of base of 84 mm.
The mirrors have a diam. of 50 mm. and a focal length of
240 mm. The angle between the beam falling on the
spherical mirrors and the beam reflected by them is 20°.

S. Pakswer

YUR'YEV, M. A.

USSR/Physics                                                     Jul/Aug 47
    Spectrographs
    Infrared

"Monochromator for Infrared Rays," M. A. Yur'yev, I. A. Tel'tevskiy, 2 pp

"Iz Ak Nauk, Ser Fiz" Vol XI, No 4

The first monochromator was construdted in 1940 at the Laboratory of Infrared Rays and the Constructing Bureau of GOI, and in 1941 was put to experimental use. Diagrams show the setup of mirrors and prisma in the equipment with a brief description of the operation of the apparatus. Comments by Savost'yanova, and Veyngerov, both of GOI. Submitted at the State Opt Inst.

PA 28163

YUR'YEV, M. A.

PA 28T91

USSR/Physics
    Spectroscopy                                Jul/Aug 1947
        Spectra, Infrared

"With Regard to Wadsworth's System," M. A. Yur'yev,
2 pp

"Iz Ak Nauk, Ser Fiz" Vol XI, No 4

This is a short summary of a report submitted by the
author at the Military Medical Academy imeni S. M.
Kirov, with respect to the spectral system stated by
Wadsworth. This system is usually used in the con-
struction of spectrometers for infrared ray study,
and consists primarily of priems and flat mirrors.
Diagram of the mirror and prism setup.

28T91

YUR'YEV, M.A.; SKLYAREVICH, V.V.; KHITUN, V.A. [authors]; OSTROUMOV, G.B. [reviewer].

"Manual and practical studies in physics." Reviewed by G.B.Ostroumov.
Usp.fiz.nauk 50 no.2:123-124 Je '53.
    (Physics) (IUr'ev, M.A.) (Skliarevich, V.V.) (Khitun, V.A.)     (MLRA 6:7)

YUR'YEV, M. A.

Yur'yev, M. A. -- "Some Problems in the Theory of Spectral Instruments for Investigations in the Infra-Red Region." Min Higher Education USSR. Leningrad Inst of Precision Mechanics and Optics. Leningrad, 1956. (Dissertation for the Degree of Doctor in Technical Science)

So: <u>Knizhnaya Letopis'</u>, No 12, 1956

Name: YUR'YEV, Mikhail Alekseyevich

Dissertation: Certain problems of the theory of spectral instruments for the investigation of the infra-red region

Degree: Doc Tech Sci

Affiliation: Naval Acad imeni Kirov

Defense Date, Place: 8 May 56, Council of Leningad Inst of Precision Mechanics and Optics

Certification Date: 9 Mar 57

Source: BMVO 13/57

AL'TSHULLER, K.S. (Leningrad); YUR'YEV, M.A., kandidat fiziko-matemati-
cheskikh nauk (Leningrad).

Infrared photomicrography. Priroda 45 no.6:79-81 Je '56.(MIRA 9:8)

1. Voyenno-meditsinskoya akademiya imeni S.M. Kirova.
(Photomicrography) (Photography, Infrared)

FEDOROV, N.T., SKLYAREVICH, V.V., YUR'YEV, M.A., MAHIROVA, O.F.

Color measurements in the region of higher colorimetry. Probl. fiziol.opt. 12:225-238 '58

(MIRA 11:6)

1. Kafedra meditsinskoy fiziki Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.
(COLORIMETRY)

ANDON'YEV, S.M.; ZHLOBINSKIY, Ye.I.; YUR'YEV, M.A.; STRUGATSKIY, L.F.;
        YELISEYEV, B.V.; TSELUYKO; Yu.I.; SUVOROV, A.I.; FILIP'YEV, O.V.;
        KALASHNIKOV, P.A.; L'VOV, V.N.; SULOYEV, V.A.

Evaporation cooling of rolling-mill heating furnaces in open-hearth-
furnace plants and complex utilization of secondary power resources.
Prom. energ. 14 no.1:37-39 Ja '59.             (MIRA 12:1)
                  (Furnaces, Heating) (Boilers)

YUR'YEV, Mikhail Alekseyevich; SKLYAREVICH, Viktor Vladimirovich;
KHITUN, Vsevolod Andreyevich; GOFMAN, Irina Arturovna;
YUZHAKOV, V.M., red.; PERKOVSKAYA, G.Ye., red. izd-va;
MURASHOVA, V.A., tekhn. red.

[Physics class work for students of medical institutes]
Praktikum po fizike; [dlia meditsinskikh vuzov. By]
M.A.IUr'ev i dr. Moskva, Gos.izd-vo "Vysshaia shkola,"
1962. 266 p. (MIRA 15:11)
(Physics)

YUR'YEV, Mikhail Alekseyevich; SKLYAREVICH, Viktor Vladimirovich;
     KHITUN, Vsevolod Andreyevich; GOFMAN, Irina Arturovna;
     PERKOVSKAYA, G.Ye., red.

     [Laboratory manual on physics] Praktikum po fizike. [By]
     M.A.IUr'ev i dr.  Moskva, Vysshaia shkola, 1965.  334 p.
                                        (MIRA 18:12)

YUR'YEV, M. F.

China - Trade - Unions

Brief history of the trade-union movement in China.  Teng Chung-hsia.  Reviewed
by M. F. Yur'yev.  Sov. kniga  No. 2, 1953.

9.  <u>Monthly</u> <u>List</u> <u>of</u> <u>Russian</u> Accessions, Library of Congress,    June    1953.  Unclassified.

YUR'YEV, Mikhail Filippovich; ERENBURG, G.B., otvetstvennyy red.; RIVKINA, O.S., red.izd-va; YAKOVLEVA, Ye.N., tekhn.red.

[Red Army of China] Krasnaia Armiia Kitaia.  Moskva, Izd-vo vostochnoi lit-ry, 1958. 193 p.                    (MIRA 11:5)
        (China--Army)

YUR'YEV, MIKHAIL GRIGOR'YEVICH.

BATALOV, Nikolay Mikhaylovich; YUR'YEV, Mikhail Grigor'yevich; HUSVIK,
Boris Karlovich; DVORYANKIN, Mikhail Petrovich; GORNOV, Mikhail
Maksimovich; NIKIFOROVA, Anna Ivanovna; VINOGRADOV, N.V., redak-
tor; LARIONOV, G.Ye., tekhnicheskiy redaktor

[Fifth five-year plan in progress; activity of the Kirov "Dinamo"
plant in Moscow] Piataia piatiletka v deistvii; opyt raboty
Moskovskogo zavoda "Dinamo" imeni S.M.Kirova. Moskva, Gos. energ.
izd-vo, 1954. 102 p. [Microfilm]                              (MLRA 8:2)
          (Moscow--Electric industries)

VEYS, D.A.; KOKHTEV, A.A.; LELYANOV, V.A.; MALYNICH, V.I.; POVOLOTSKIY, L.I.;
RASKATOV, V.M., inzhener; TOPORNIN, G.S.[deceased]; LAPUSHKIN, A.D.,
dotsent, retsenzent; USPASSKIY, P.P., professor, retsenzent; ARKHAN-
GEL'SKIY, V.M., kandidat tekhnicheskikh nauk, retsenzent; REGIRER, Z.
L., kandidat tekhnicheskikh nauk, retsenzent; SHAROV, M.Ya., kandidat
tekhnicheskikh nauk, retsenzent; YUR'YEV, M.G., inzhener, retsenzent;
LYUTIKOV, A.F., redaktor; MODEL', B.I., tekhnicheskiy redaktor.

[Manual on materials for the construction of locomotives and railroad
cars] Spravochnik po materialam dlia lokomotivo- i vagonostroeniia.
Pod obshchei red. V.M. Raskatova. Moskva, Gos. nauchno-tekhn. izd-vo
machino-stroit. lit-ry, 1956. 481 p.
          (Locomotives--Construction) (Railroads--Cars--Construction)

ACC NR:  AP7005005

AUTHOR:  Dmitriyev, Yu. Yu.; Yur'yev, M. S.

ORG:  none

TITLE:  Variational principle for the intensity of forbidden transitions

TOPIC TAGS:  variational method, forbidden transition, perturbation theory

ABSTRACT:  It is shown that the functional (or variational principle)

$$J(\varphi, \varphi') = \int \varphi (H_0 - E_0) \varphi' d\tau + \int \varphi' V \Psi_0 d\tau + \int \varphi U \Psi_0' d\tau,$$

(where $\phi$ and $\phi'$ are trial functions; $H_0$ is the Hamiltonian of a system whose eigenfunctions are designated $\Psi_0$ and eigenvalues $E_0$; $U$ and $V$ are perturbations) permits an approximate calculation of the probability of forbidden transitions, which are allowed in the first-order perturbation theory. Inequalities are derived which permit an estimate from above and below for the corresponding matrix elements. By taking functions with parameters as the trial functions, one can reduce the calculation of the sum

$$\langle i|U|f\rangle = -\left\{ \langle \Psi_0 | V \frac{1}{H_0 - E_0} U | \Psi_0' \rangle + \langle \Psi_0' | V \frac{1}{H_0 - E_0} U | \Psi_0 \rangle \right\}$$

UDC:  530.145.61

Card 1/2

ACC NR: AP7005005

(where i and f are the initial and final state respectively) to solving algebraic equations, instead of the differential equation which results from the method of V. M. Buymistrov (Litovsk. fiz. sb., No. 1-2, 94, 1963) and which is very difficult to solve. In conclusion, authors are deeply grateful to P. P. Pavinskiy for supervising the work and to T. K. Rebane for discussions. Orig. art. has: 18 formulas.

SUB CODE: 20/ SUBM DATE: 25Apr66/ ORIG REF: 004/ OTH REF: 001

Card 2/2

YUR'YEV, M. YA.

Rukovodstvo k prakticheskim zaniatiiam po fizike /Manual of practical problems in physics/. Leningrad, Voenno-Meditsinskaia Akad., 1952.  308 p

SO:  Monthly List of Russian Accessions, Vol 6 No 8 November 1953

YUR'YEV, N.

Machine-Tractor Stations

Work organization rules in practice, MTS 13 No. 1, 1953

Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

YUR'YEV, N. (Riga).

"Nadezhda" glider. Kryl. rod. 8 no.7:4 Jl '57.        (MLRA 10:9)
                    (Latvia--Gliders (Aeronautics))